Data Sheet
Fujitsu Analog and Digital KVM console switch

Generation of s3/s4 series - software and platform independent

The console switches (Keyboard Video Mouse = KVM) from Fujitsu Technology Solutions are vital in the operation of cluster configurations and server farms in data centers. They offer a cost-optimized, platform and software-independent solution for rack system integration. Both PS/2 and USB interfaces from servers are supported, resulting in possible mixed configurations with different Fujitsu servers in one rack.

Analog and Digital

The Enterprise Server s3 / s4 console switches provide a solution positioned between simple mechanical and high-end digital console switches for rack integration. With the s3 / s4 series a maximum of 32 servers can be operated in a rack with up to two consoles in non-blocking mode, locally or with one / two consoles in an IP connection (10/100/1000 Mbit/s) depending on the switch model. In blocking mode (with cascaded switches) up to 256 servers are even possible. Blade Servers from Fujitsu are supported in the same way. The Enterprise Server s3 / s4 console switches are multi-platform switches and only require a single height unit. They are also DDC2B compatible. The Enterprise Server s3 / s4 console switches are primarily designed for integration into 19-inch racks. They round off the 19-inch technology portfolio of Fujitsu servers and are indispensable for the operation of cluster configurations and server farms in data centers. The cost benefits (cutting back on monitors and keyboards that are otherwise needed) are obvious. It is planned to combine s3 / s4 switches with other Fujitsu console switches.
8- and 16-port switch for system consoles that can be configured to provide connections for up to one local user for analog switches or for one, two or four remote users plus one local user for 8-, 16- and 32-port digital switches. End-to-end CAT5 connections, firmware flash-upgradability and keep-alive function are provided. Advanced on-screen management for configuration/server selection, client-based GUI for remote access and improved graphics (16-bit). Virtual Media (VM) and LDAP support for KVM s4 switches. Password protection and remote access secured by SSL encryption.

Main Features	Benefits
■ Access via remote IP or locally	■ More flexible access: one and two local consoles respectively or one local and one or two remote consoles (via IP)
■ Advanced on-screen management for configuration and server selection	■ Direct access for administrators or rack users via local console
■ Service friendliness	■ LDAP support for KVM s3/s4 switches, centrally administrable user management
■ Can be combined with existing console switches from Fujitsu	■ Investment protection and seamless extension of existing installations
■ Access protection	■ Password protection and various levels of access control; Remote access secured by SSL encryption
■ PS/2, USB (1.1 and 2.0) or SUN I/O interface	■ Multi-platform compliant and therefore independence from the type of connected

Technical details

Technical details

	KVM s3 Analog	KVM s4 Digital (available from March price list)
Installation format	Rack-optimized,1U	
Console connections	One local console	Four remote consoles via TCP/IP (10/100/1000MBit/s auto sense), Two local consoles
Supported displays	Monitor: VGA, SVGA (XGA, XGA-II with adapter) Monitor: Wide Screen support (WXGA) Local port: up to 1280 x 1024 @75Hz	Monitor: VGA, SVGA (XGA, XGA-II with adapter) Monitor: Wide Screen support (WXGA) Local port: up to 1600 x 1200 @75Hz
Supported keyboards	USB, RC23/24, RC24/RC25	
Supported mouse systems	USB, RC23/24, RC24/RC25	
Server selection	By Advanced On-Screen Management (OSD)	By Advanced On-Board WEB-Interface (OBWI)
Configuration	By Advanced On-Screen Management (OSD)	By Advanced On-Board WEB-Interface (OBWI)
OSD languages	English, German, French, Spanish, Italian	English, German, French, Spanish, Italian, Japanese
Remote access		Via KVM S4 client software or On-Board WEB-Interface (OBWI)
KVM client software		Linux, Windows
Browser support (OBWI)		Microsoft (IE6, IE7, IE8), Firefox 3.x
Client software languages		English, German, French, Japanese, Italian
Virtual media support		All with PRIMERGY servers released USB 2.0 devices, inclusive boot via USB 2.0 (if supported by server BIOS).,Only in connection with KVM s3-adapter USB2.
Released server for virtual media via USB		Servers BIOS has to support “Composite USB2.0” in boot phase.
Color coding	VGA and PS/2 according to PC99	
Dimensions (W x D x H)	431.8 x 279.8 x 43.7 mm,17 x 10.98 x 1.72 in	431.8 x 340 x 43.7mm for 16/32 port,431.8 x 234 x 43.7 mm for 8 port,17 x 13.38 x 1.72 in for 16/32 port ,17 x 9.2 x 1.72 in for 8 port
Weight	1,9 kg / 4.2 lbs without cable	3.67 kg without cable
Rated voltage range	100 V - 240 V	
Rated frequency range	50 Hz - 60 Hz	
Active power (max. configuration)	15 W	40 W

Accessories

Product accessories

Cabling	Cabling hints
Cabling	UTP CAT5 cable blue (2 x RJ45): 2m, 5m and 10m, as well as customized length for ex works installation KVM adapter USB, VGA incldluing CAT5 UTP cable with 2.1m and 3m available

Cascading	Cascading hints
Cascading	All analogue KVM S2 switches have a special (ARI) port that is connected to the input of the “master” switch via a CAT5 cable. The cascading protocol runs via this “ARI” port and the “slave” switch is automatically detected and integrated. In remote mode (KVM via IP) a digital switch should always be selected as the “master” switch. The local console is also connected to this switch. KVM s2-PS/2-USB adapter needed for cascading KVM S3 switches
Possible variants	KVM s4-3242/1622/0812 on top of KVM s3-1601/-0801 KVM s4-3242/1622/0812 on top of KVM s2-1602/-0801 KVM s3-1601/0801 on top of KVM s3-1601/-0801 KVM s3-1601/0801 on top of KVM s2-1602/-0801

Order code	Product Name	Server ports	IP ports	Local ports
S26361-F2293-E201	KVM s2 adapter PS/2, VGA			
S26361-F2293-E202	KVM s2 adapter USB, VGA			
S26361-F4473-E801	KVM s3-0801	8	0	1

Order code	Product Name	Server ports	IP ports	Local ports
S26361-F4473-E601	KVM s3-1601	16	0	1
S26361-F4473-E225	KVM adapter USB, VGA 2.14m			
S26361-F4473-E230	KVM adapter USB, VGA 3m			
S26361-F4473-E691	KVM s3-1601 integration RC25	16	0	1
S26361-F4473-E891	KVM s3-0801 integration RC25	8	0	1
S26361-F2293-E203	KVM s3 adapter USB2.0,VGA virtual media			
S26361-K1393-V8	KVM s4-0812	8	1	1+1 cascading
S26361-K1393-V16	KVM s4-1622	16	2	1+1 cascading
S26361-K1393-V32	KVM s4-3242	32	4	1+1 cascading

Approvals & Conformity (Standards)

Europe	CE EN
USA/Canada	CSAc/us FCC Class B ULc/us
Global	CB
Japan	VCCI
Compliance link	https://sp.ts.fujitsu.com/sites/certificates/default.aspx

More information

Fujitsu platform solutions

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Dynamic Infrastructures
With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

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More information

Learn more about Fujitsu Analog and Digital, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
http://ts.fujitsu.com/Primergy

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Please find further information at http://www.fujitsu.com/global/about/environment/

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2011-02-21 CE-EN

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